

Title (en)  
ACHIEVING ELECTROMAGNETIC INTERFERENCE SHIELDING PROTECTION BY DEPOSITION OF HIGHLY CONDUCTIVE COMPOSITIONS

Title (de)  
SCHUTZ VOR ELEKTROMAGNETISCHER INTERFERENZ DURCH ABSCHIEDUNG VON HOCHLEITFÄHIGEN ZUSAMMENSETZUNGEN

Title (fr)  
RÉALISATION D'UNE PROTECTION TELLE QU'UN BLINDAGE CONTRE LES INTERFÉRENCES ÉLECTROMAGNÉTIQUES PAR DÉPÔT DE COMPOSITIONS HAUTEMENT CONDUCTRICES

Publication  
**EP 3331943 A1 20180613 (EN)**

Application  
**EP 16833605 A 20160729**

Priority  
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Abstract (en)  
[origin: WO2017023747A1] Provided herein are highly conductive compositions (having a volume resistivity no greater than  $1 \times 10^{-3}$  Ohms.cm) using silver flake, powder or suspension in solvent for electromagnetic interference (EMI) applications. This high conductivity will allow the use of very thin films for EMI shielding protection, which in turn will be helpful to reduce package sizes. In some embodiments, the coating composition is applied on the device surface by suitable means, e.g., by an electrostatic spray process, air spray process, ultrasonic spray process, spin coating process, or the like.

IPC 8 full level  
**C08K 3/08** (2006.01); **C08K 3/10** (2018.01); **C08L 101/12** (2006.01); **G12B 17/02** (2006.01); **H01B 1/20** (2006.01); **H01B 1/22** (2006.01); **H05K 9/00** (2006.01)

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**C08J 5/18** (2013.01 - KR); **C08K 3/08** (2013.01 - KR); **C08K 3/10** (2013.01 - KR); **C08L 101/12** (2013.01 - EP KR US); **C09D 5/24** (2013.01 - US); **C09D 5/32** (2013.01 - US); **C09D 7/20** (2018.01 - US); **C09D 7/67** (2018.01 - US); **C09D 7/68** (2018.01 - US); **C09D 7/69** (2018.01 - US); **C09D 133/08** (2013.01 - US); **C09D 133/10** (2013.01 - US); **C09D 163/00** (2013.01 - US); **H01B 1/22** (2013.01 - EP KR US); **H05K 9/0083** (2013.01 - EP KR US); **H01L 2924/3025** (2013.01 - EP US)

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